9–255
(Jan. 1927)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

F.A. Proj 5354 (1)

P 756

RECORD OF WELL

1. **Location:** State N.Y. County Putnam
Nearest P. O. Carmel Direction from P. O. N.Y.
Distance from P. O. 3 miles; ____ ¼ sec. ____, T. ____, R. ____
If in city, give street and number ____

Locate well on plat of section.

2. **Owner:** N.Y. Dept of Public Works Address Latham N.Y.
Driller: Same Address "

3. **Situation:** Is well on upland, in valley, or on hillside? Valley

4. **Elevation of top of well:** 516.1 ft. above (Above or below) the level of M.S.L. (Sea, depot, lake, or stream)

5. **Type of well:** Driven (Dug, driven, bored, or drilled); kind of drilling rig used ____ (Solid tool, jetting, rotary, etc.)

6. **Depth of well:** 25 ft.; year in which well was finished ____
Does well enter rock? yes; if so, at what depth? 9.25 ft.; kind of rock ____

7. **Diameter:** At top 2 3/4 inches; at bottom 2 3/4 inches.

8. **Principal water bed:** Rock Seamy ledge (Gravel, sand, clay, or rock. If rock, state kind)
Depth to principal water bed ____ ft.; thickness of bed ____ ft.
If other water supplies were found, give depth to each ____

9. **Casings:** Kind metal; size ____; length ____ ft.; between depths of ____ and ____ ft.
Kind ____; size ____; length ____ ft.; between depths of ____ and ____ ft.
Kind ____; size ____; length ____ ft.; between depths of ____ and ____ ft.
Packers (if any): Depth at which packers were used ____; kind ____
Screen or **Strainer:** Was well finished with screen? ____; kind of screen ____;
length of screen ____ ft.; diameter ____ inches; size of openings ____

10. **Head:** Does well at present overflow without pumping? no; did it overflow when new? no;
if flowing, give pressure ____ lb. per sq. inch; or height water will rise in a pipe ____ ft. above surface;
original pressure or head ____; if not flowing, give water level in well 3.1 ft. below surface.

11. **Pump:** Is the well pumped? ____; kind of pump ____;
size or capacity of pump ____; kind of power ____

12. **Yield:** Natural flow at present (if any) ____ gallons per minute; original flow ____ gallons per minute;
well has been pumped at ____ gallons per minute continuously for ____ hours;
quantity of water ordinarily obtained from well ____ gallons per day.

13. **Use:** For what purpose is the ~~water~~ well used? Test hole

14. **Quality of the water:** ____; is there an analysis? ____
(Hard or soft, fresh or salty, etc.)

15. **Cost of well,** not including pump: ____ Temperature of water ____ ° F.

Name of person filling blank H.W. from attached

Date ____ Address ____

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On the back of this sheet give the record of the beds through which the well passes and any other facts not given above.

LOG OF WELL

KIND OF ROCK OR OTHER MATERIAL (Give color and tell whether hard or soft)	DEPTH, IN FEET		THICKNESS, IN FEET	REMAR (Especially information a
	From—	To—		

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J. 5354(1)

DEPARTMENT OF PUBLIC WORKS
DIVISION OF CONSTRUCTION

SUBSURFACE INFORMATION

Name Kent Cliffs - Carmel S. H. No. None County PUTNAM

R. C. No. None P. S. C. No. None Bridge No. 1

Weight of Hammer 300 Lbs. Average Drop of Hammer 18" on Casing 12" on Spoon

Inside Diameter of Casing [redacted] "2 1/4" Outside Diameter of Casing [redacted] 2 3/4

Inside Diameter of Spoon 1 3/8" Outside Diameter of Spoon 2"

Hole No. 4 Center Line Sta. 71+73 L. — R. 25' Date May 26 1950

SPECIMEN NO.	CASING Blows per ft.	CASING Depth	SPOON BLOWS 6"-12"	SPOON BLOWS 12"-18"	SPOON BLOWS 18"-24"	SPOON Depth	CROSS SECTION	PERCENT PASSING SIEVE NO. 4	14	20	48	60	100	140	200	NATURE OF MATERIAL (GROUND EL. 516.1 =0)
1	20 30 35		Pulled Casing				M	98	88		54		36		26	Brown Sand, Some Clay, Trace of Gravel
2	35 20 32		35	35	19		W	91	51		19		12		7	Brown Sand, Gravel, Trace of Clay
3	77 170 *		30	24	270		M	57	41		27		21		16	Gravel, Some Brown Sand, Some Clay
4	DRILLED															Rock Seamy Ledge
*	71 blows for 3 inches. Refusal at 9.25 ft. depth															

LEGEND
M = Moist
W = Wet

FROST EL. —

GROUND WATER EL. 513.0

John Shepard
[redacted] in Charge

DRILL RIG OPERATOR

Samples shall be taken at approximately 5 ft. intervals and whenever progress of casing indicates a possible change to a different material. Wash to end of casing and take all samples dry with spoon below end of casing. If washing is inadvertently carried beyond end of casing, report under "Nature of Material". Immediately after taking, place the dry samples in the air-tight containers furnished, label and send to Main Office promptly. Under "Nature of Material" report any delays, interruptions or obstacles encountered in driving casing or spoon. Report casing progress in blows per foot for last foot before spoon sample takings. Locate in Cross Section column wet, dry and frozen strata.